

Legend to Annex 2 -

25X1A

Layout of Shell Factory No. 324 in Kirov

1. Crushing department, equipped with two crushing machines, some autogenous cutting tools, and several multiple-blade iron saws.
2. Workshop No 1 equipped with three or four annealing furnaces, three or four drawing presses, four American horizontal presses, cranes, and conveyor belts. The workshop was not fully utilized. One or two furnaces and two or three presses were in operation in November 1947.
3. Workshop No 2, for rough-turning and for the construction of cultivators. This shop was equipped with 40 to 60 American lathes for turning shells, a conveyor belt for moving the shells, some small lathes, two presses and three or four milling machines for the construction of cultivators.
4. Workshop No 3.
 - a. Pressing shop and threading lathe shop, equipped with three drop hammers with a drop height of about 70 cm and a hammer head diameter of about 50 cm; three furnaces about 4 x 2 x 2.5 meters; three calcining furnaces (Gluehofen) for annealing; two presses for pointing shell cases; a German and a Russian pneumatic hammer with a head diameter of 25 to 30 cm; two auxiliary hammers with shaft transmission; six thread cutting machines; five drilling machines for drilling nuts up to 12 mm; one or two machines for manufacturing nuts from rod iron, and one forge fire.
 - b. Workshop for the construction of harrows. This shop was equipped with two or three drilling machines for drilling up to 30 mm; four American high-speed presses, each 7 to 8 meters high and working like punching machines; and two conveyor belts.
5. Workshop No 4, for precision turning and setting (Aufsetzen) races (rings). This shop was equipped with 30 to 40 American shell turning lathes, which were fully automatic, and four or five presses for cutting (Aufzicken) the races (Führungsringe).
6. Workshop No 5, containing the acceptance station, lacquering shop, the shop manufacturing boxes, and the packing department.
7. Workshop No 6, shell depot.
8. Lumber depot.
9. Small office, dispatch section.
10. Material depots.
11. Workshop No 10, boilerhouse equipped with two or three boilers.
12. Workshops No 6, 7, and 9.
 - a. Workshop No 6, manufacturing spare parts. This shop was equipped with 15 lathes, 6 planning benches, 2 grinding machines, 2 drilling machines, and 4 or 7 milling machines.
 - b. Workshop No 7, repairing machine tools.
 - c. Workshop No 9, electrical repair shop.
13. Administration building.
14. Scrap dump.

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Legend to Annex 2
Page 2

25X1A

15. Probably a compressor station, equipped with six to eight large compressors.
16. Waste dump.
17. Pumping station, whose location is not determined.
18. New construction site.
19. Path of the assembly line, with trucks and conveyor belts transporting the material being worked on.

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